

REV'D DEC 04 1987

DPM 3202

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MANUFACTURED BY:

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GENERAL ELECTRIC CO.
SILICONE PRODUCTS DIV.
WATERFORD, NY 12188

REVISED: 4/20/86
PREPARER: DA POLSINELLI

***** I PRODUCT IDENTIFICATION *****

PRODUCT IDENTIFICATION: SS4004 CHEMICAL FAMILY: POLYSILOXANE
CHEMICAL NAME: SILICONE POLYMER IN SOLVENT FORMULA: MIXTURE

***** II PRODUCT COMPONENTS *****

	APPROX. ACGIH		OSHA		CAS REG
PRODUCT COMPOSITION	%	TLV	PEL	UNITS	NO.
-----	-----	-----	-----	-----	-----
A. HAZARDOUS					
N-BUTANOL	< 20%	50	100	PPM	71-36-3*
ACETONE	< 40%	750	1000	PPM	67-64-1*
ISOPROPANOL	< 30%	400	400	PPM	67-63-0*
TOLUENE	< 20%	100	200	PPM	108-88-3*
TRADE SECRET COMPONENT	< 5%	10	100	PPM	
B. NON-HAZARDOUS					

***** III PHYSICAL DATA *****

**PRODUCT INFORMATION

BOILING POINT : NA (F) NA (C) % VOLATILE BY VOLUME: ~80
VAPOR PRESSURE(20 C): NA MM HG EVAPORATION RATE : <1
VAPOR DENSITY(AIR=1): NA (BUTYL ACETATE=1
FREEZING POINT : NA (F) NA (C) SPECIFIC GRAVITY : 0.8
MELTING POINT : NA (F) NA (C) (WATER=1)
PHYSICAL STATE : LIQUID DENSITY : 826.7 KG/M3
ODOR : PUNGENT ACIDITY/ALKALINITY : UNKNOWN MEG/G
COLOR : PINK PH : NA
SOLUBILITY IN WATER(20 C): REACTS
SOLUBILITY IN ORGANIC SOLVENT: SOLUBLE, TOLUENE
(STATE SOLVENT)

N-BUTANOL

BOILING POINT: 244 (F) 117 (C)
VAPOR PRESSURE: (20 C) 4.2 MM HG
VAPOR DENSITY: (AIR=1) 2.6

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ACETONE

BOILING POINT: 133 (F) 56 (C)
VAPOR PRESSURE: (20 C) 250 MM HG
VAPOR DENSITY: (AIR=1) 2

ISOPROPANOL

BOILING POINT: 180 (F) 82 (C)
VAPOR PRESSURE: (20 C) 9 MM HG
VAPOR DENSITY: (AIR=1) 2.6

TOLUENE

BOILING POINT: 230 (F) 110 (C)
VAPOR PRESSURE: (20 C) 28 MM HG
VAPOR DENSITY: (AIR=1) 3.2

TRADE SECRET COMPONENT

BOILING POINT: 334 (F) 168 (C)
VAPOR PRESSURE: (20 C) 2.0 MM HG
VAPOR DENSITY: (AIR=1) 7.2

***** IV FIRE AND EXPLOSION DATA *****

FLASH POINT: 10 (F) -12 (C) BY PMCC IGNITION TEMP:700 (F)370(C)

FLAMMABLE LIMITS IN AIR(%): LOWER 1 UPPER 12

EXTINGUISHING MEDIA:

ALCOHOL FOAM
CARBON DIOXIDE
DRY CHEMICAL
FOAM
WATER MIST

SPECIAL FIREFIGHTING PROCEDURES:

EXTREMELY FLAMMABLE.
WEAR FULL PROTECTIVE CLOTHING.

***** V REACTIVITY DATA *****

STABILITY:

X STABLE UNSTABLE

HAZARDOUS:

POLYMERIZATION WILL NOT OCCUR

HAZARDOUS DECOMPOSITION PRODUCTS:

CARBON MONOXIDE.
CARBON DIOXIDE.
SILICON DIOXIDE.
OXIDES OF NITROGEN.

INCOMPATIBILITY (MATERIALS TO AVOID):

CONTACT WITH OXIDIZING AGENTS.

CONDITIONS TO AVOID:

KEEP AWAY FROM HEAT, SPARKS AND OPEN FLAME.
AVOID ANY SOURCE OF IGNITION.

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***** VI HEALTH HAZARD DATA *****

ACUTE SIGNS/EFFECTS OF OVEREXPOSURE:

INGESTION:

HARMFUL IF SWALLOWED.
CAUSES VOMITING, NAUSEA, AND DIARRHEA
IRRITATION OF THE MOUTH, THROAT, AND STOMACH

SKIN CONTACT:

CAUSES DRYING OF THE SKIN.
HARMFUL IF ABSORBED THRU THE SKIN.

INHALATION:

EXCESSIVE INHALATION CAUSES HEADACHE, DIZZINESS, NAUSEA AND
INCOORDINATION.
CAUSES MODERATE RESPIRATORY IRRITATION.
HARMFUL IF INHALED.

EYE CONTACT:

CAUSES SEVERE EYE IRRITATION MAY DAMAGE TISSUE.

MEDICAL CONDITIONS AGGRAVATED:

RESPIRATORY
LIVER, KIDNEY

OTHER:

NONE KNOWN.

CHRONIC EFFECTS OF OVEREXPOSURE:

DERMATITIS.
RESPIRATORY AILMENTS.
CENTRAL NERVOUS SYSTEM DAMAGE.
LIVER AND KIDNEY DAMAGE.
CORNEAL DAMAGE.
PULMONARY EDEMA.

EMERGENCY AND FIRST AID PROCEDURES:

INGESTION:

IF SWALLOWED DO NOT INDUCE VOMITING, GIVE LARGE QUANTITIES
OF WATER TO DRINK AND GET MEDICAL ATTENTION, NEVER
GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON.

SKIN:

REMOVE CONTAMINATED CLOTHING AND LAUNDER BEFORE REUSE.
WASH WITH SOAP AND WATER.
GET MEDICAL ATTENTION IF IRRITATION PERSISTS.

INHALATION:

IF INHALED, REMOVE TO FRESH AIR, IF NOT BREATHING GIVE ARTIFICIAL
RESPIRATION, PREFERABLY MOUTH-TO MOUTH. IF BREATHING IS
DIFFICULT GIVE OXYGEN. GET MEDICAL ATTENTION.

EYES:

IN CASE OF CONTACT, IMMEDIATELY FLUSH EYES WITH PLENTY OF WATER
FOR AT LEAST 15 MINUTES AND GET MEDICAL ATTENTION.

NOTE TO PHYSICIAN:

NONE KNOWN.

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TOXICITY: N-BUTANOL
ACUTE ORAL LD50: 790 (RAT) MG/KG
ACUTE DERMAL LD50: 4200 (RBT) MG/KG
ACUTE INHALATION LC50: 8000 PPM 4HR (RAT)
OTHER: NONE.

AMES TEST: UNKNOWN

TOXICITY: ACETONE
ACUTE ORAL LD50: 3000 (MUS) MG/KG
ACUTE DERMAL LD50: 20,000 (RBT) MG/KG
ACUTE INHALATION LC50: >10 MG/M3 6HR (MAN)
OTHER: NONE.

AMES TEST: UNKNOWN

TOXICITY: ISOPROPANOL
ACUTE ORAL LD50: 5840 (RAT) MG/KG
ACUTE DERMAL LD50: 13,000 (RBT) MG/KG
ACUTE INHALATION LC50: 16,000 PPM 8HR (RAT)
OTHER: NONE.

AMES TEST: UNKNOWN

TOXICITY: TOLUENE
ACUTE ORAL LD50: 5000 (RAT) MG/KG
ACUTE DERMAL LD50: 14,000 (RBT) MG/KG
ACUTE INHALATION LC50: 5320 PPM 8HR (MUS)
OTHER: NONE.

AMES TEST: UNKNOWN

TOXICITY: TRADE SECRET COMPONENT
ACUTE ORAL LD50: 1000 (RAT) MG/KG
ACUTE DERMAL LD50: NONE FOUND MG/KG
ACUTE INHALATION LC50: >700 PPM 4HR
OTHER: NONE.

AMES TEST: UNKNOWN

PRINCIPAL ROUTES OF EXPOSURE:

ORAL.

DERMAL - SKIN.

EYES.

INHALATION.

ABSORPTION THROUGH SKIN.

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THIS PRODUCT OR ONE OF ITS INGREDIENTS PRESENT 0.1% OR MORE
IS NOT LISTED AS A CARCINOGEN OR SUSPECTED CARCINOGEN BY
NTP, IARC, OR OSHA.

PRODUCTS/INGREDIENTS:

THIS SPACE RESERVED FOR SPECIAL USE.

***** VII SPECIAL PROTECTIVE EQUIPMENT *****

RESPIRATORY PROTECTION:

USE IN A WELL VENTILATED AREA.

USE APPROVED NIOSH RESPIRATORY PROTECTION IF TLV EXCEEDED.....

OR OVER EXPOSURE IS LIKELY.

PROTECTIVE GLOVES:

RUBBER GLOVES.

EYE AND FACE PROTECTION:

SAFETY GLASSES.

MONOGOGGLES.

OTHER PROTECTIVE EQUIPMENT:

WEAR EYE PROTECTION AND PROTECTIVE CLOTHING.

VENTILATION:

USE ONLY IN WELL VENTILATED AREA.

MECHANICAL VENTILATION.

*** VIII SPILL, LEAK AND DISPOSAL PROCEDURES ***

ACTION TO BE TAKEN IF MATERIAL IS RELEASED OR SPILLED:

WIPE, SCRAPE OR SOAK UP IN AN INERT MATERIAL AND PUT IN A
CONTAINER FOR DISPOSAL.

WEAR PROPER PROTECTIVE EQUIPMENT AS SPECIFIED IN THE PROTECTIVE
EQUIPMENT SECTION.

REMOVE SOURCES OF IGNITION.

WARN OTHER WORKERS OF SPILL.

INCREASE AREA VENTILATION.

DISPOSAL METHOD:

DISPOSAL SHOULD BE MADE IN ACCORDANCE WITH FEDERAL, STATE AND
LOCAL REGULATIONS.

***** IX SPECIAL PRECAUTIONS *****

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE:

USE GROUND STRAP.

STORE UPRIGHT IN A COOL PLACE BELOW 30°C (85°F).

KEEP CONTAINER CLOSED WHEN NOT IN USE.

AVOID BREATHING VAPORS, IF EXPOSED TO HIGH VAPOR CONCENTRATION,
LEAVE AREA AT ONCE.

AVOID CONTACT WITH SKIN AND EYES.

USE ONLY IN A WELL VENTILATED AREA.

DO NOT INHALE VAPORS.

DANGER! EXTREMELY FLAMMABLE.

EMPTIED CONTAINERS MAY RETAIN HAZARDOUS PROPERTIES. DO NOT CUT,

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PUNCTURE OR WELD ON OR NEAR THE CONTAINER.
ENGINEERING CONTROLS:
EXHAUST VENTILATION
SHOWERS.
EYEWASH STATIONS.
USE IN A WELL VENTILATED AREA.

** X SHIPPING AND REGULATORY CLASSIFICATION DATA **

DOT SHIPPING NAME: FLAMMABLE LIQUID NOS
DOT HAZARD CLASS: FLAMMABLE LIQUID
DOT LABEL(S): FLAMMABLE LIQUID
UN/NA NUMBER: UN1993
PLACARDS: NA

EXPORT: NA

EPA HAZARD WASTE: D001
OSHA HAZARD CLASS: FLAMMABLE LIQUID
CPSC CLASSIFICATION: NA
TRANSPORTATION CLASS: IMO FLAMMABLE LIQUID 3.2

RID (OCTI) FLAMMABLE LIQUID
ADR (ECE) 3,2301,1A
RAR (IATA) FLAMMABLE LIQUID

NEPA/HMIS CLASSIFICATION: FLAMMABILITY 4 , REACTIVITY 1 , HEALTH 3
ADDITIONAL INFORMATION:

THESE DATA ARE OFFERED IN GOOD FAITH AS TYPICAL VALUES AND NOT AS A PRODUCT SPECIFICATION. NO WARRANTY, EITHER EXPRESSED OR IMPLIED, IS MADE. THE RECOMMENDED HANDLING PROCEDURES ARE BELIEVED TO BE GENERALLY APPLICABLE. HOWEVER, EACH USER SHOULD REVIEW THESE RECOMMENDATIONS IN THE SPECIFIC CONTENT OF THE INTENDED USE.....

THIS PRODUCT OR ITS COMPONENTS ARE ON THE AUSTRALIAN INVENTORY (ACoin).....

THIS PRODUCT CONTAINS A SUBSTANCE(S) THAT IS (ARE) ON THE LIST OF TOXIC CHEMICALS SUBJECT TO SECTION 313 OF THE SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT OF 1986 (SARA). THIS SUBSTANCE MAY BE SUBJECT TO AN ANNUAL SUBMISSION OF A TOXIC CHEMICAL RELEASE FORM. SUCH SUBSTANCE IF PRESENT AT LESS THAN ONE PERCENT, IS NOT LISTED UNDER PRODUCT COMPOSITION IN SECTION II.....

C = CEILING LIMIT
EST= ESTIMATED
NA = NOT APPLICABLE

NEGL = NEGLIGIBLE
NF = NONE FOUND
UNKN = UNKNOWN

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NE = NONE ESTABLISHED	REC = RECOMMENDED
ND = NONE DETERMINED	V = RECOMM. BY VENDOR
BY-PRODUCT = REACTION BY-	SKN = SKIN
PRODUCT, TSCA INVENTORY	TS = TRADE SECRET
STATUS NOT REQUIRED UNDER	R = RECOMMENDED
40 CFR PART 720.30(H-2)	MST = MIST

.....
AS A SERVICE TO ITS CUSTOMERS, GE SILICONES DISCLOSES IN THE
MSDS FOR EACH PRODUCT THE PRESENCE OF EXTREMELY HAZARDOUS
SUBSTANCES AND TOXIC CHEMICALS IN THE PRODUCT COMPOSITION. IF
THERE IS NO ENTRY FOUND IN THIS SECTION OF THE MSDS, THERE ARE
NO EXTREMELY HAZARDOUS SUBSTANCES OR TOXIC CHEMICALS AS DEFINED
BY THE LATEST AVAILABLE LIST IN THIS PRODUCT.